

Title (en)

A ceiling-mounted device for ventilating rooms and, at the same time, cooling or heating the room air.

Title (de)

An der Decke montierte Vorrichtung zur Raumbelüftung und gleichzeitige Luft-Kühlung oder Heizung von Räumen

Title (fr)

Dispositif monté au plafond pour ventilation des locaux et refroidissement ou réchauffage simultané de l'air des locaux

Publication

EP 1122501 A1 20010808 (EN)

Application

EP 01850024 A 20010202

Priority

SE 0000360 A 20000204

Abstract (en)

Ceiling-mountable device for ventilating rooms and, at the same time, cooling and/or heating the room air, which device has two longitudinal channels (11,11') for supply of primary air, two elements (12) for cooling/heating of room air, two mixing chambers (13) for cooled/heated room air and primary air, nozzles (17) for supply of primary air to each mixing chamber (13), and outlet openings (15). Air supplied through the primary air channels (11,11') flows through the nozzles (17) along the inclined side (22) of each channel and produces an induction effect, which serves to suck in room air (20) via each element (12) and for its further passage through the elements to each mixing chamber (13) and out through the outlet openings (15) close to the ceiling (10), as shown by the arrows (21). <IMAGE>

IPC 1-7

F24F 1/01

IPC 8 full level

F24F 1/0063 (2019.01); **F24F 1/01** (2011.01)

CPC (source: EP US)

F24F 1/0047 (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/01** (2013.01 - EP)

Citation (search report)

- [A] FR 1363374 A 19640612 - IDEAL STANDARD
- [PA] DE 20011500 U1 20001130 - LTG AG [DE]
- [A] DE 29609754 U1 19970109 - TROX GMBH GEB [DE]

Cited by

DE10142983A1; CN104896574A; US2009264062A1; DE10328615B4; EP1422481A1; GB2384302A; GB2384302B; WO0242691A1; US7000688B2; US6715538B2

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